

OIEP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/755,016

DATE: 06/19/2001

TIME: 12:22:03

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\06192001\I755016.raw

ENTERED

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4 <110> APPLICANT: Walke, D. Wade
5     Wilganowski, Nathaniel L.
6     Denoho, Gregory
7     Turner, C. Alexander Jr.
9 <120> TITLE OF INVENTION: Novel Human Proteases and Polynucleotides Encoding the Same
11 <130> FILE REFERENCE: LEX-0114-USA
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/755,016
C--> 13 <141> CURRENT FILING DATE: 2001-06-01
13 <150> PRIOR APPLICATION NUMBER: US 60/174,686
14 <151> PRIOR FILING DATE: 2000-01-06
16 <160> NUMBER OF SEQ ID NOS: 7
18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 654
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapien
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27 ataaaaatta aagcaatcat tttcatcca aacttcattt tggaaatctta tqttaatgat      120
28 attgcacttt ttcacttaaa aaaagcagtg aggtataatg actataatca gctatatttc      180
29 ctactttttg atgttttcca aatcctggac ggaaacacaa agtgttttat aaqtggcttg      240
30 ggaagaacaa aagaagaagg taacgtaca aatattttac aaqatgcaga aqtgcattat      300
31 atttctcgag agatgtgtaa ttctgaqaqg aqttatqggg qaataattcc taacaattca      360
32 ttttgtgcag qtgatgaaga tggagctttt gatacttgca qgggtgacag tgggggacca      420
33 ttaatgtget acttaccaga atataaaaga ttttttgtaa tgggaattac cagttacgga      480
34 catggctgtg qtcgaagaqg ttttctggt qtcctatatt qgcctatctt ctacccaaaq      540
35 tggctgacag agcattttct ccatgcaagg actcaaggca tacttaactat aaataattta      600
36 cgtggccaga tctctatagg tttatgtttt qtcattctac taacaaagac ataa      654
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 217
40 <212> TYPE: PRO
41 <213> ORGANISM: Homo sapien
43 <400> SEQUENCE: 2
44 Met Trp Thr Ala Val Ile Gly Thr Asn Asn Ile His Gly Arg Tyr Pro
45 1           5           10           15
46 His Thr Lys Lys Ile Lys Ile Lys Ala Ile Ile Ile His Pro Asn Phe
47           20           25           30
48 Ile Leu Glu Ser Tyr Val Asn Ser Ile Ala Leu Ile His Leu Thr

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58	Gly	Gly	Ile	Ile	Pro	Asn	Thr	Ser	Phe	Cys	Ala	Gly	Asp	Glu	Asp	Gly
59			115					120					125			
60	Ala	Phe	Asp	Thr	Cys	Arg	Gly	Asp	Ser	Gly	Gly	Pro	Leu	Met	Cys	Tyr
61		130					135					140				
62	Leu	Pro	Glu	Tyr	Lys	Arg	Phe	Phe	Val	Met	Gly	Ile	Thr	Ser	Tyr	Gly
63	145					150					155					160
64	His	Gly	Cys	Gly	Arg	Arg	Gly	Phe	Pro	Gly	Val	Tyr	Ile	Gly	Pro	Ser
65					165					170					175	
66	Phe	Tyr	Gln	Lys	Trp	Leu	Thr	Glu	His	Phe	Phe	His	Ala	Ser	Thr	Gln
67				180					185					190		
68	Gly	Ile	Leu	Thr	Ile	Asn	Ile	Leu	Arg	Gly	Gln	Ile	Leu	Ile	Ala	Leu
69			195					200					205			
70	Cys	Phe	Val	Ile	Leu	Leu	Ala	Thr	Thr							
71		210						215								

7.3 (210) SEQ ID NO: 3

74 2111 LENGTH: 1047

75 (212): TYPE: DNA

76 (213) ORGANISM: Homo sapien

78 :400: SEQUENCE: 3

79	atgcgcgcctgg	ggctccctgag	cgtggcggytg	ttgtttgtgtg	ggagctctcca	cttayaactca	60
80	gaccactact	cgccctctgg	aaggcacagg	ctcgccccct	cgccggaacc	gggggctagt	120
81	tccacgcagg	ctgagggcgt	cgcgaagagg	ctccggcggc	ggagggagg	aggggcgcct	180
82	gcacaggatt	gtggaacagc	accgcttaag	gatgtgttgc	aagggtctcg	gatttatagg	240
83	ggcacgcgaag	cacaagctgg	cgcctggcgc	tgggtggtga	gcctgcagat	taaataatgyc	300
84	cgtgtctctt	ttcatgtatg	tgggggaacc	ctagtgaag	agaagtggtt	cttcacagct	360
85	gcccactgca	ctaaagacrc	tagcgatcct	ttaatgttga	cagctgtgat	tggaaactaat	420
86	aatafacatg	gacgctatcc	tcataccaag	aagataaaaa	ttaaagcaat	cattattcat	480
87	ccaaaacttca	ttttggaatc	ttatgtaaat	qatattgcac	tttttcaatt	aaaaaaaagca	540
88	gtgaggtata	atgactatat	tcagccctatt	tgcctacctt	ttgatgtttt	ccaaatccctg	600
89	gacggaaaca	caaagtgttt	tataagtgcc	tggggaagaa	caaaagaaga	aggtaacgct	660
90	acaaatattt	tacaagatgc	agaagtgcct	tataattctc	gagagatgtg	taattctgaq	720
91	aggaattatg	ggggaataat	tcccaaacat	tcattttgtg	caggtgatga	agatggaat	780
92	tttgataact	gcaggggtga	cagtgppppa	ccattaatgt	gctacttacc	apaatataaa	840
93	agattttttg	taattgggaat	taccagttac	qaaatgptct	gtggtccaaq	aggttttccf	900
94	ggtgtctata	tggggcactc	ctctctacaa	aagtggttga	cagagcaatt	cttccatcca	960
95	aggaactcaag	gcctacttac	tataaataat	ttacgtccgc	agatccctcat	aggttttatct	1020
96	tttgtcatct	tactagcaac	aacataaa				1047

08 - 210: SEQ ID NO: 4

99 - 211 - LENGTH: 348

100 &lt;212&gt; TYPE: PRT

161 + 213 = ORGANISM Homo sapien

103 - 400 - SEQUENCE: 4

104 Met Arg Leu Gly Leu Ile Ser Val Ala Cys Lys Thr Phe Tyr Trp His Pro

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111      50      55      60
112 Gly Thr Ala Pro Leu Lys Asp Val Leu Gln Gly Ser Arg Ile Ile Gly
113 65      70      75      80
114 Gly Thr Glu Ala Gln Ala Gly Ala Trp Pro Trp Val Val Ser Leu Gln
115      85      90      95
116 Ile Lys Tyr Gly Arg Val Leu Val His Val Cys Gly Gly Thr Leu Val
117      100      105      110
118 Arg Glu Arg Trp Val Leu Thr Ala Ala His Cys Thr Lys Asp Ala Ser
119      115      120      125
120 Asp Pro Leu Met Trp Thr Ala Val Ile Gly Thr Asn Asn Ile His Gly
121      130      135      140
122 Arg Tyr Pro His Thr Lys Lys Ile Lys Ile Lys Ala Ile Ile Ile His
123 145      150      155      160
124 Pro Asn Phe Ile Leu Glu Ser Tyr Val Asn Asp Ile Ala Leu Phe His
125      165      170      175
126 Leu Lys Lys Ala Val Arg Tyr Asn Asp Tyr Ile Gln Pro Ile Cys Leu
127      180      185      190
128 Pro Phe Asp Val Phe Gln Ile Leu Asp Gly Asn Thr Lys Cys Phe Ile
129      195      200      205
130 Ser Gly Trp Gly Arg Thr Lys Glu Glu Gly Asn Ala Thr Asn Ile Leu
131      210      215      220
132 Gln Asp Ala Glu Val His Tyr Ile Ser Arg Glu Met Cys Asn Ser Glu
133 225      230      235      240
134 Arg Ser Tyr Gly Gly Ile Ile Pro Asn Thr Ser Phe Cys Ala Gly Asp
135      245      250      255
136 Glu Asp Gly Ala Phe Asp Thr Cys Arg Gly Asp Ser Gly Gly Pro Leu
137      260      265      270
138 Met Cys Tyr Leu Pro Glu Tyr Lys Arg Phe Phe Val Met Gly Ile Thr
139      275      280      285
140 Ser Tyr Gly His Gly Cys Gly Arg Arg Gly Phe Pro Gly Val Tyr Ile
141      290      295      300
142 Gly Pro Ser Phe Tyr Gln Lys Trp Leu Thr Glu His Phe Phe His Ala
143 305      310      315      320
144 Ser Thr Gln Gly Ile Leu Thr Ile Asn Ile Leu Arg Gly Gln Ile Leu
145      325      330      335
146 Ile Ala Leu Cys Phe Val Ile Leu Leu Ala Thr Ile
147      340      345
149 <210> SEQ ID NO: 5
150 <211> LENGTH 867
151 <212> TYPE: DNA
152 <213> ORGANISM: Homo sapien
153 <400> SEQUENCE: 5
155 atgcacaaattt atgcacacac agcgccttcttct tcttcttctt ccttcttctt

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162 gacggaacaca caaaqtgttt tataaqtggc tggqqaagaa caaaagaaga agqtaacqct. 480
163 acaaatatitt tacaagatgc agaagtgcac tatatttctc gagaqatgtg taattctgaq 540
164 aggaqtlatg gqgaataat tectaactt tcattttgtg caggtgatga agatggaqct 600
165 ttgtactatt gcaggggtga cagtggggga ccattaatgt gctacttacc aqaatataaa 660
166 agattttttg taatgggaat taccagtac gqacatgqct gtggtcgaag aggttttctt 720
167 qgtgtctata ttgggcacac ctctaccac aaqtgqctga cagagcatit ctcccatqca 780
168 agcactcaag gcatacttac tataaatatt ttacgtggcc agatctcat agtttatgt 840
169 ttgtcatct tactagcaac aacataa 867
171 <210> SEQ ID NO: 6
172 <211> LENGTH: 288
173 <212> TYPE: PRF
174 <213> ORGANISM: Homo sapien
176 <400> SEQUENCE: 6
177 Met Gln Asn Cys Gly Thr Ala Pro Leu Lys Asp Val Leu Gln Gly Ser
178 1 5 10 15
179 Arg Ile Ile Gly Gly Thr Glu Ala Gln Ala Gly Ala Trp Pro Trp Val
180 20 25 30
181 Val Ser Leu Gln Ile Lys Tyr Gly Arg Val Leu Val His Val Cys Gly
182 35 40 45
183 Gly Thr Leu Val Arg Glu Arg Trp Val Leu Thr Ala Ala His Cys Thr
184 50 55 60
185 Lys Asp Ala Ser Asp Pro Leu Met Trp Thr Ala Val Ile Gly Thr Asn
186 65 70 75 80
187 Asn Ile His Gly Arg Tyr Pro His Thr Lys Lys Ile Lys Ile Lys Ala
188 85 90 95
189 Ile Ile Ile His Pro Asn Phe Ile Leu Glu Ser Tyr Val Asn Asp Ile
190 100 105 110
191 Ala Leu Phe His Leu Lys Lys Ala Val Arg Tyr Asn Asp Tyr Ile Gln
192 115 120 125
193 Pro Ile Cys Leu Pro Phe Asp Val Phe Gln Ile Leu Asp Gly Asn Thr
194 130 135 140
195 Lys Cys Phe Ile Ser Gly Trp Gly Arg Thr Lys Glu Glu Gly Asn Ala
196 145 150 155 160
197 Thr Asn Ile Leu Gln Asp Ala Glu Val His Thr Ile Ser Arg Glu Met
198 165 170 175
199 Cys Asn Ser Gln Arg Ser Tyr Gly Gly Ile Leu Pro Asn Thr Ser Phe
200 180 185 190
201 Cys Ala Gly Asp Glu Asp Gly Ala Phe Asp Thr Cys Arg Gly Asp Ser
202 195 200 205
203 Gly Gly Pro Leu Met Cys Tyr Leu Pro Glu Tyr Lys Arg Phe Phe Val
204 210 215 220
205 Met Gly Ile Thr Ser Tyr Gly His Gly Cys Gly Arg Arg Gly Phe Pro
206 225 230

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PATENT APPLICATION: US/09/755,016

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Input Set : A:\Seqlist.txt

Output Set : N:\CRF3\06192001\I755016.raw

214 &lt;210&gt; SEQ ID NO: 7

215 &lt;211&gt; LENGTH: 1286

216 &lt;212&gt; TYPE: DNA

217 &lt;213&gt; ORGANISM: Homo sapien

219 &lt;400&gt; SEQUENCE: 7

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220 ttcttccatt tcaggtgtcg tgaanaagctt gaattccggc cccagatat cacacgtgcc      60
221 aaggggctgg ctcccgccca tcttgcctac cagcctccaa aatgcggctg qggtcctga      120
222 ggttggcgtt gttgtttgtg qggagctctc acttatactc agaccactac tgcgcctctg      180
223 gaagggcacag gctcggcccc tcgccgggaa cggcggctag ttcccagcag gctgagggcg      240
224 tccgcaagag cctccggccc cggaggggag gaggggggca tgcnaagat tgtggaaacg      300
225 caccgcttaa ggaagtgttg caaggtcttc gatttatagg gggcaccgaa gcnaaagctg      360
226 ggcgatggcc gtgggtgggt agcctgcaga ttaaatatgg ccgtgttctt gttcatgtat      420
227 gtgggggaac cctagtgaga gagggtggg tctcaccagg tgcaccctgc actaaagacg      480
228 ctagcgatcc tttaatgtgg acagctgtga ttggaactaa taatatatat ggacgtatc      540
229 ctcataccaa gaagataaaa attaaa-gaa tcattattca tccaaaactc attttggaat      600
230 cttatgtaaa tgatattgca ctttttact taaaaaagc agtgaggtat aatgactata      660
231 ttcagcctat ttgcctacct tttgatgtt tccaaatcct ggacggaaac acaaaagtgt      720
232 ttataagtggt ctgggggaaga acaaaagaag aaggtaacgc tacaatatat ttacaagatg      780
233 cagaagtgca ttatatttct cagagagatgt gtaattctga gaggagtat gggggaataa      840
234 ttcctaacac ttcattttgt gcaggtgatg aagatggagc ttttgatact tgcaggggtg      900
235 acagtggggg accattaatg tgcacttac cagaatataa aagattttt gtaatgggaa      960
236 ttaccagtta cggacatggc tgtggtcgaa gagggtttcc tgggtctat attgggcat      1020
237 cttctacca aaagtggctg acagagcatt tcttccatgc aagcactcaa ggcatactta      1080
238 ctataaatat ttaagtggc cagatcctca tagctttatg tttgtcact ttaactagca      1140
239 caacataaag aaattctgaa qcctttcata tctttatttt gcatttgttc cttttctatg      1200
240 ttctatataa tgaacatcat ttattcttct agcaattaat tgctacatt agagatttca      1260
241 tgtgaacatt ttatgggcta taaata

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/755,016

DATE: 06/19/2001

TIME: 12:22:04

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\06192001\I755016.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date